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Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application and annexed to the International Preliminary Report on Patentability:

1. (currently amended) A server apparatus ~~(20)~~, comprising:
receiving means ~~(21)~~ for receiving broadcast signals;
first processing means ~~(28, 29)~~ for generating first analog signals responsive to said received signals;
second processing means ~~(31-33)~~ for generating second analog signals responsive to said received signal, wherein the first analog signals have a different encoding than the second analog signals, and said first analog signals are provided to a first client device ~~(50)~~ via a transmission medium connecting said server apparatus ~~(20)~~ and said first client device ~~(50)~~ in response to a first request signal requesting a first desired processed analog signal by identifying a first program and further wherein said second analog signals are provided to a second client device ~~(60)~~ via said transmission medium connecting said server apparatus ~~(20)~~ and said second client device ~~(60)~~ in response to a second request signal requesting a second desired processed analog signal by identifying a second program; and
control means ~~(35)~~ for detecting available frequency bands on said transmission medium, wherein said available frequency bands are used to provide said first analog signals to said first client device ~~(50)~~ and to provide said second analog signals to said second client device ~~(60)~~, thereby causing said transmission medium to be shared between said processed analog signals and cable broadcast signals distributed over said transmission medium.
2. (currently amended) The server apparatus ~~(20)~~ of claim 1, wherein said transmission medium includes RG-59 cable.
3. (currently amended) The server apparatus ~~(20)~~ of claim 1, wherein said broadcast source includes a satellite source.

4. (currently amended) The server apparatus ~~(20)~~ of claim 1, wherein said broadcast source includes a digital terrestrial source.

5. (currently amended) The server apparatus ~~(20)~~ of claim 1, wherein said receiving means ~~(21)~~ processes said received signals to generate a digital transport stream.

6. (currently amended) The server apparatus ~~(20)~~ of claim 5, wherein said first processing means ~~(28, 29)~~ includes:

A/V processing means ~~(28)~~ for processing said digital transport stream to generate analog baseband signals; and

modulating means ~~(29)~~ for modulating said analog baseband signals to generate said first analog signals.

7. (currently amended) The server apparatus ~~(20)~~ of claim 5, wherein said second processing means ~~(31-33)~~ includes:

encoding means ~~(31)~~ for encoding said digital transport stream to generate encoded digital signals;

digital-to-analog converting means ~~(32)~~ for converting said encoded digital signals to analog baseband signals; and

modulating means ~~(33)~~ for modulating said analog baseband signals to generate said second analog signals.

8. (currently amended) The server apparatus ~~(20)~~ of claim 1, wherein said control means ~~(35)~~ scans a plurality of frequency bands on said transmission medium to detect said available frequency bands.

9. (currently amended) The server apparatus ~~(20)~~ of claim 1, wherein said control means ~~(35)~~ detects said available frequency bands based on a user input which selects said available frequency bands.

10. (currently amended) A method ~~(400)~~ for distributing signals from a server apparatus to a first client device and a second client device, comprising steps of:

receiving signals from a broadcast source ~~(410)~~;

generating first analog signals responsive to said received signals ~~(430)~~;

generating second analog signals responsive to said received signals ~~(440)~~, wherein the first analog signals have a different encoding than the second analog signals;

detecting an available frequency band on said transmission medium ~~(420)~~, wherein said available frequency band is used to provide said first analog signals to said first client device;

providing said first analog signals to said first client device via a transmission medium connecting said server apparatus and said first client device ~~(450)~~ in response to a first request signal requesting a first desired analog signal by identifying a first program;

detecting an available frequency band on said transmission medium ~~(420)~~, wherein said available frequency band is used to provide said second analog signals to said second client device; and

providing said second analog signals to said second client device via said transmission medium connecting said server apparatus and said second client device ~~(460)~~ in response to a second request signal requesting a second desired analog signal by identifying a second program, thereby causing said transmission medium to be shared between said analog signals and cable broadcast signals distributed over said transmission medium.

11. (currently amended) The method ~~(400)~~ of claim 10, wherein said transmission medium includes RG-59 cable.

12. (currently amended) The method ~~(400)~~ of claim 10, wherein said broadcast source includes a satellite source.

13. (currently amended) The method ~~(400)~~ of claim 10, wherein said broadcast source includes a digital terrestrial source.

14. (currently amended) The method ~~(400)~~ of claim 10, wherein said step of generating said first analog signals ~~(430)~~ includes:

processing said received signals to generate a digital transport stream ~~(432)~~;
processing said digital transport stream to generate analog baseband signals ~~(434)~~; and
modulating said analog baseband signals to generate said first analog signals ~~(436)~~.

15. (currently amended) The method ~~(400)~~ of claim 10, wherein said step of generating said second analog signals ~~(440)~~ includes the steps of:

processing said received signals to generate a digital transport stream ~~(442)~~;
encoding said digital transport stream to generate encoded digital signals ~~(444)~~;
converting said encoded digital signals to analog baseband signals ~~(446)~~; and
modulating said analog baseband signals to generate said second analog signals ~~(448)~~.

16. (currently amended) The method ~~(400)~~ of claim 10, wherein said detecting step ~~(420)~~ includes scanning a plurality of frequency bands on said transmission medium to identify said available frequency band.

17. (currently amended) The method ~~(400)~~ of claim 10, wherein said detecting step ~~(420)~~ is performed based on a user input which selects said available frequency band.

18. (currently amended) The method ~~(400)~~ of claim 10, wherein said detecting step ~~(420)~~ includes scanning a plurality of frequency bands on said transmission medium to identify said available frequency band.

19. (currently amended) The method ~~(400)~~ of claim 10, wherein said detecting step ~~(420)~~ is performed based on a user input which selects said available frequency band.

20. (currently amended) A server apparatus ~~(20)~~, comprising:
a receiving element ~~(21)~~-operative to receive broadcast signals;
first processing elements ~~(28, 29)~~-operative to generate first analog signals responsive to said received signals;
second processing elements ~~(31-33)~~-operative to generate second analog signals responsive to said received signals, wherein the first analog signals have a different encoding than the second analog signals; and
a controller ~~(35)~~-operative to detect available frequency bands on said transmission medium, wherein said first analog signals are provided to a first client device ~~(50)~~-via a transmission medium connecting said server apparatus ~~(20)~~-in response to a first request signal requesting a first desired analog signal by identifying a first program and said first client device ~~(50)~~-and further wherein said second analog signals are provided to a second client device ~~(60)~~-via said transmission medium connecting said server apparatus ~~(20)~~-and said second client device ~~(60)~~-in response to a second request signal requesting a second desired analog signal by identifying a second program, and further wherein said available frequency bands are used to provide said first analog signals to said first client device ~~(50)~~-and to provide said second analog signals to said second client device ~~(60)~~.
21. (currently amended) The server apparatus ~~(20)~~-of claim 20, wherein said transmission medium includes RG-59 cable.
22. (currently amended) The server apparatus ~~(20)~~-of claim 20, wherein said broadcast source includes a satellite source.
23. (currently amended) The server apparatus ~~(20)~~-of claim 20, wherein said broadcast source includes a digital terrestrial source.
24. (currently amended) The server apparatus ~~(20)~~-of claim 20, wherein said receiving element ~~(21)~~-is further operative to process said received signals to generate a digital transport stream.

25. (currently amended) The server apparatus ~~(20)~~ of claim 24, wherein said first processing elements ~~(28, 29)~~ include:

an A/V processor ~~(28)~~ operative to process said digital transport stream to generate analog baseband signals; and

a modulator ~~(29)~~ operative to modulate said analog baseband signals to generate said first analog signals.

26. (currently amended) The server apparatus ~~(20)~~ of claim 24, wherein said second processing elements ~~(31-33)~~ include:

an encoder ~~(31)~~ operative to encode said digital transport stream to generate encoded digital signals;

a digital-to-analog converter ~~(32)~~ operative to convert said encoded digital signals to analog baseband signals; and

a modulator ~~(33)~~ operative to modulate said analog baseband signals to generate said second analog signals.

27. (currently amended) The server apparatus ~~(20)~~ of claim 20, wherein said controller ~~(35)~~ scans a plurality of frequency bands on said transmission medium to detect said available frequency bands.

28. (currently amended) The server apparatus ~~(20)~~ of claim 20, wherein said controller ~~(35)~~ detects said available frequency bands based on a user input which selects said available frequency bands.